
cc:Mail for: William E. Snee

Subject: Alcoa Building Asbestos Sampling Plan

▷ Forwarded: Roy H. Carwile 6/10/94 11:45 AM

To: William E. Snee

Karen, Bill;

This is my first stab at the sampling plan we discussed. I've solicited the quotes from two of the firms listed. While we are waiting for them, perhaps you'd like to provide comments/criticism on the plan.

Laura

(p.s. For your convenience I've pasted the plan below. It looks a little better straight out of the word processor.)

Alcoa Building
Asbestos Sampling Plan



Method:

Method - high volume EPA style sampling to be compared with the EPA recommended clearance level of 0.01 fibers/cc. Sample volume 270 - 540 liters of air. Sampling medium 0.8um pore size mixed cellulose ester membrane filter in a 25mm open face filter in a three piece filter holder with a 50mm electrically conductive extension cowl. Analytical method phase contrast microscopy (PCM) fiber count (29CFR 1926.58 mandatory Appendix A "OSHA Reference Method"). A minimum of three samples at every sampling location.

The school rule (TSCA AHERA) now calls for clearance sampling analysis using TEM (transmission electron microscopy). The method described in an appendix to the updated rule compares sample results to the limit of 70 structures per square millimeter. The cost of TEM is approximately \$100/ sample as compared to the PCM price of \$30.00 per sample. In buildings other than schools, TEM is typically only used when a PCM sample result is higher than expected.

Sampling locations:

1. Floor 31 at base of ladder to the roof
 2. Sub-basement steam room
 3. Typical floor - either unoccupied office, conference room or hallway (either 6 or 19 where occupants will understand the nature and purpose of the testing)
 4. Floor 13 conference room (subject to vibration from the 15th floor mailroom)
 5. Sampling concurrent with removal job
 - a. outside the enclosure doing the job, and
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b. clearance sample on the floor where removal operations were conducted after dismantling of the enclosure at the end of the job.

Sampling services are available from:

*Price quotes are being obtained from two of the following sampling contractors. Quotes will include analysis at a certified outside lab or the alternative of analysis performed by Alcoa EHL.

*ACM Compliance, Inc.

*Baker/TSA, Inc.

I.C.F. Kaiser

IT Corporation

NUS Corporation

S.E. Technologies